

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/IB2004/001851

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0497216	A	05-08-1992	US 5185280 A EP 0497216 A2 JP 5067787 A	09-02-1993 05-08-1992 19-03-1993
EP 0574137	A	15-12-1993	JP 2850072 B2 JP 5313195 A JP 2920580 B2 JP 6075244 A DE 69325951 D1 DE 69325951 T2 EP 0574137 A1 US 5574292 A	27-01-1999 26-11-1993 19-07-1999 18-03-1994 16-09-1999 02-12-1999 15-12-1993 12-11-1996
US 5982002	A	09-11-1999	NONE	
EP 0373893	A	20-06-1990	JP 2159767 A JP 2510710 B2 DE 68916389 D1 DE 68916389 T2 EP 0373893 A2 US 5040037 A	19-06-1990 26-06-1996 28-07-1994 17-11-1994 20-06-1990 13-08-1991
JP 06268215	A	22-09-1994	NONE	
EP 1229576	A	07-08-2002	JP 3531671 B2 JP 2002231960 A CN 1369903 A EP 1229576 A2 TW 544844 B US 2002177286 A1	31-05-2004 16-08-2002 18-09-2002 07-08-2002 01-08-2003 28-11-2002

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L29/786

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 497 216 A (TEXAS INSTRUMENTS INC) 5 August 1992 (1992-08-05) column 2, line 3 - line 9 column 4, line 40 -column 5, line 14 column 5, line 54 -column 6, line 36; claims; figures ---	1-11
X	EP 0 574 137 A (SEIKO INSTR INC) 15 December 1993 (1993-12-15) column 13, line 28 -column 14, line 6; figures 12,13 ---	1-11
X	US 5 982 002 A (TAKASU HIROAKI ET AL) 9 November 1999 (1999-11-09) column 12, line 39 -column 13, line 61; figures 14,15 --- -/--	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

3 September 2004

Date of mailing of the international search report

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T/IB2004/001851

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 373 893 A (MITSUBISHI ELECTRIC CORP) 20 June 1990 (1990-06-20) column 4, line 38 -column 5, line 22; claims; figures 1,2 ---	1-11
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 673 (E-1647), 19 December 1994 (1994-12-19) -& JP 06 268215 A (HITACHI LTD), 22 September 1994 (1994-09-22) abstract ---	1-11
X	EP 1 229 576 A (SHARP KK) 7 August 2002 (2002-08-07) page 7, paragraph 44 - paragraph 46; claims; figures ---	1-11
A	H. RYSEL, I. RUGE: "Ionenimplantationsapparaturen" 1978, TEUBNER, STUTTGART XP002294774 page 105, line 24 - line 31 -----	7